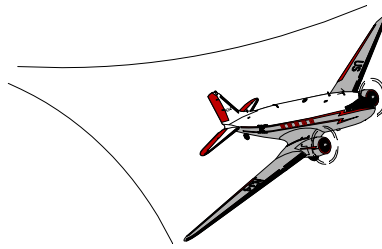


SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service
Washington, DC



U.S. Department
of Transportation

**Federal Aviation
Administration**

No. CE-04-04
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www.faa.gov - Search "SAIBs"

This is information only. Recommendations are not mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) alerts you, owner or operator of **Raytheon Aircraft Company** (formerly Beech Aircraft) models noted below, that may be equipped with Janitrol Model S-50 combustion heater, of the potential of thermal distress on the combustion head of these heaters.

Twin Bonanza	
Model	Serial Numbers
B50	All
C50	All
D50	All
D50A	All
D50B	All
D50C	All
E50	All
F50	All
G50	All
H50	All
J50	All
Baron	
Model	Serial Numbers
55	All
A55	All
B55	TE-339 thru TE-942 and TC-1608 thru TC1657
E55	TE-938, TE-943 thru TE-958 and TE-960 thru TE-967
58	TH-1 thru TH-436
56TC	TG-1 thru TG-83
A56TC	TG-84 thru TG-94
Travel Air	
Model	Serial Numbers
95	All
B95	All
B95A	All
D95A	All
E95	All

Background

One Repair Station has reported thermal erosion at the 9:30 location on combustion head of three Model S-50 combustion heaters. All 3 combustion heads demonstrated nearly identical erosion patterns. Records indicate that the aircraft/combustion heater manufacturer's recommended maintenance procedures *may not have been* followed. This apparent lack of maintenance is compounded in that many of these heaters have been in service since the early 1960s.

Maintenance instructions for the Model S-50 combustion heater (Part Numbers C83A28, D83A28, E83A28 and F83A28) are provided in Janitrol Heater Instruction Part Number 30C57. This maintenance instruction specifies a visual inspection of all fuel and air fittings and the verification of the security of ignition leads and ignition unit at 100-hour intervals of heater operation. If a heater hour meter is not installed or is not functional, it is typical to assume that there is one hour of heater operation for each two hours of aircraft time in service. As there are both fuel and ignition connections on the combustion head, the recommended inspections are in the vicinity of the noted thermal distress. The combustion heater maintenance instruction also recommends overhauling the heater at 500 heater operating hour intervals, or at each engine overhaul, whichever occurs first.

Recommendation

After reviewing available data, we recommend that you, the owner or operator, be aware that distress has been noted on the combustion head of the Model S-50 combustion heater that should be detectable during maintenance actions specified in the manufacturer's instructions. We recommend that you comply with the maintenance actions and intervals specified in Janitrol Heater Instruction Part Number 30C57.

Note: Based on current information we, the FAA, only recommend these actions. We will continue this investigation and analyze any added information. We may require additional actions, such as the issuance of an Airworthiness Directive based on this analysis.

For Other Information Contact

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Kelly Aerospace Power Systems, Airport Complex, P.O. Box 273, Fort Deposit, AL 36032; phone: (334) 227-8306 **for copies of the instruction manual.**